

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/893,878 B
Source: IFW/6
Date Processed by STIC: 4-21-05

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PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



IFW16

RAW SEQUENCE LISTING

DATE: 04/21/2005

PATENT APPLICATION: US/09/893,878B

TIME: 12:10:18

Input Set : A:\D061770002US10sequence%20listing.txt

Output Set: N:\CRF4\04212005\I893878B.raw

3 <110> APPLICANT: Ladner, Robert Charles
 4 Guterman, Sonia Kosow
 5 Roberts, Bruce Lindsay
 6 Markland, William
 7 Ley, Arthur Charles
 8 Kent, Rachel Baribault
 10 <120> TITLE OF INVENTION: DIRECTED EVOLUTION OF NOVEL BINDING PROTEINS
 12 <130> FILE REFERENCE: D0617.70002US10
 14 <140> CURRENT APPLICATION NUMBER: 09/893,878B
 15 <141> CURRENT FILING DATE: 2001-06-29
 17 <150> PRIOR APPLICATION NUMBER: 08/993,776
 18 <151> PRIOR FILING DATE: 1997-12-18
 20 <150> PRIOR APPLICATION NUMBER: 08/415,922
 21 <151> PRIOR FILING DATE: 1995-04-03
 23 <150> PRIOR APPLICATION NUMBER: 08/009,319
 24 <151> PRIOR FILING DATE: 1993-01-26
 26 <150> PRIOR APPLICATION NUMBER: 07/664,989
 27 <151> PRIOR FILING DATE: 1991-03-01
 29 <150> PRIOR APPLICATION NUMBER: 07/487,063
 30 <151> PRIOR FILING DATE: 1990-03-02
 32 <150> PRIOR APPLICATION NUMBER: 07/240,160
 33 <151> PRIOR FILING DATE: 1988-09-02
 35 <160> NUMBER OF SEQ ID NOS: 304
 37 <170> SOFTWARE: PatentIn version 3.3
 39 <210> SEQ ID NO: 1
 40 <211> LENGTH: 28
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 49 <222> LOCATION: (2)..(2)
 50 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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 53 <221> NAME/KEY: misc_feature
 54 <222> LOCATION: (4)..(5)
 55 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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 59 <222> LOCATION: (7)..(9)
 60 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 62 <220> FEATURE:

(ps.6-7)

Does Not Comply
Corrected Diskette Needed

(ps.3-4) ↗

RAW SEQUENCE LISTING

DATE: 04/21/2005

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Input Set : A:\D061770002US10sequence%20listing.txt

Output Set: N:\CRF4\04212005\I893878B.raw

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74 <222> LOCATION: (20)..(22)
75 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
77 <220> FEATURE:
78 <221> NAME/KEY: misc_feature
79 <222> LOCATION: (24)..(28)
80 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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      85 1             5             10             15
      88 Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa
      89             20             25
92 <210> SEQ ID NO: 2
93 <211> LENGTH: 28
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial sequence
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101 <220> FEATURE:
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103 <222> LOCATION: (2)..(2)
104 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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108 <222> LOCATION: (4)..(5)
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126 <220> FEATURE:
127 <221> NAME/KEY: misc_feature
128 <222> LOCATION: (20)..(22)

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RAW SEQUENCE LISTING

DATE: 04/21/2005

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Input Set : A:\D061770002US10sequence%20listing.txt

Output Set: N:\CRF4\04212005\I893878B.raw

129 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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 132 <221> NAME/KEY: misc_feature
 133 <222> LOCATION: (24)..(28)
 134 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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 143 20 25
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 163 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 165 <220> FEATURE:
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 167 <222> LOCATION: (8)..(10)
 168 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 170 <220> FEATURE:
 171 <221> NAME/KEY: misc_feature
 172 <222> LOCATION: (12)..(16)
 173 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 175 <220> FEATURE:
 176 <221> NAME/KEY: misc_feature
 177 <222> LOCATION: (18)..(19)
 178 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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 182 <222> LOCATION: (21)..(23)
 183 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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 187 <222> LOCATION: (24)..(28)
 188 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
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 192 <222> LOCATION: (29)..(29)
 193 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 195 <400> SEQUENCE: 3

*This is at this location. See
 error
 explanation
 on p. 4.*

RAW SEQUENCE LISTING

DATE: 04/21/2005

PATENT APPLICATION: US/09/893,878B

TIME: 12:10:18

Input Set : A:\D061770002US10sequence%20listing.txt

Output Set: N:\CRF4\04212005\I893878B.raw

W--> 197 Phe Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
 198 1 5 10 15
 201 Leu Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa
 202 20 25
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 206 <211> LENGTH: 29
 207 <212> TYPE: PRT
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 216 <222> LOCATION: (2)..(2)
 217 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
 219 <220> FEATURE:
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 221 <222> LOCATION: (4)..(6)
 222 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
 224 <220> FEATURE:
 225 <221> NAME/KEY: misc_feature
 226 <222> LOCATION: (8)..(10)
 227 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
 229 <220> FEATURE:
 230 <221> NAME/KEY: misc_feature
 231 <222> LOCATION: (12)..(16)
 232 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
 234 <220> FEATURE:
 235 <221> NAME/KEY: misc_feature
 236 <222> LOCATION: (18)..(19)
 237 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
 239 <220> FEATURE:
 240 <221> NAME/KEY: misc_feature
 241 <222> LOCATION: (21)..(23)
 242 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
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 245 <221> NAME/KEY: misc_feature
 246 <222> LOCATION: (25)..(29)
 247 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
 249 <400> SEQUENCE: 4

W--> 251 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
 252 1 5 10 15
 255 Leu Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa
 256 20 25
 259 <210> SEQ ID NO: 5
 260 <211> LENGTH: 30
 261 <212> TYPE: PRT
 262 <213> ORGANISM: Artificial sequence
 264 <220> FEATURE:
 265 <223> OTHER INFORMATION: synthetic peptide

There is no "Xaa" at this location.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING

DATE: 04/21/2005

PATENT APPLICATION: US/09/893,878B

TIME: 12:10:18

Input Set : A:\D061770002US10sequence%20listing.txt

Output Set: N:\CRF4\04212005\I893878B.raw

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268 <220> FEATURE:
269 <221> NAME/KEY: misc_feature
270 <222> LOCATION: (2)..(2)
271 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
273 <220> FEATURE:
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275 <222> LOCATION: (4)..(7)
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280 <222> LOCATION: (9)..(11)
281 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
283 <220> FEATURE:
284 <221> NAME/KEY: misc_feature
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296 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
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300 <222> LOCATION: (22)..(24)
301 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
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304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (26)..(30)
306 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
308 <400> SEQUENCE: 5
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311 1 5 10 15
314 Xaa Leu Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa
315 20 25 30
318 <210> SEQ ID NO: 6
319 <211> LENGTH: 30
320 <212> TYPE: PRT
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324 <223> OTHER INFORMATION: synthetic peptide
327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <222> LOCATION: (2)..(2)
330 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
332 <220> FEATURE:
333 <221> NAME/KEY: misc_feature

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/893,878BDATE: 04/21/2005
TIME: 12:10:19Input Set : A:\D061770002US10sequence%20listing.txt
Output Set: N:\CRF4\04212005\I893878B.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,4,5,7,8,9,11,12,13,14,15,17,18,20,21,22,24,25,26,27,28
Seq#:2; Xaa Pos. 2,4,5,7,8,9,11,12,13,14,15,17,18,20,21,22,24,25,26,27,28
Seq#:3; Xaa Pos. 2,4,5,6,8,9,10,12,13,14,15,16,18,19,21,22,23,25,26,27,28
Seq#:3; Xaa Pos. 29
Seq#:4; Xaa Pos. 2,4,5,6,8,9,10,12,13,14,15,16,18,19,21,22,23,25,26,27,28
Seq#:4; Xaa Pos. 29
Seq#:5; Xaa Pos. 2,4,5,6,7,9,10,11,13,14,15,16,17,19,20,22,23,24,26,27,28
Seq#:5; Xaa Pos. 29,30
Seq#:6; Xaa Pos. 2,4,5,6,7,9,10,11,13,14,15,16,17,19,20,22,23,24,26,27,28
Seq#:6; Xaa Pos. 29,30
Seq#:7; Xaa Pos. 1,3,4,5,6,8
Seq#:8; Xaa Pos. 3,5,6,7,8,10
Seq#:19; Xaa Pos. 1,2,4,5,6,7,9,10
Seq#:20; Xaa Pos. 1,4,5,6,8,9,10,11,12
Seq#:21; Xaa Pos. 1,2,5,6,7,9,10,11,12,13
Seq#:22; Xaa Pos. 1,4,5,6,8,9,10,11,12,14
Seq#:23; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15
Seq#:24; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15
Seq#:25; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16
Seq#:26; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16
Seq#:27; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16,17
Seq#:28; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16,17
Seq#:29; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16,17,18
Seq#:30; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16,17,18
Seq#:31; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16,17,18,19
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Seq#:38; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,19,21,22,23,24,25
Seq#:39; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,19,21,22,23,24,25,26
Seq#:40; Xaa Pos. 5,6,7,8,9,10
Seq#:41; Xaa Pos. 5,6,7,8,9,10
Seq#:42; Xaa Pos. 4,6,7,8,9,10,11
Seq#:88; N Pos. 4,5,6,7,8
Seq#:106; N Pos. 6,9,12,15,18,21,24,27,30,33,36,39,42,45,48,51,54,60,63,66
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Seq#:106; N Pos. 204,207,210,213,216,219,222,228,231,234,237,240,243,246
Seq#:106; N Pos. 249,252,255,258,261,264,267,270,273,276,279,282,285,288
Seq#:106; N Pos. 291,294,297,300,303,306,309,312,315,318,324,330,333,336
Seq#:106; N Pos. 339,342,345,348,351,354,357,360,363,366,369,372,375,378

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/21/2005
PATENT APPLICATION: US/09/893,878B TIME: 12:10:19

Input Set : A:\D061770002US10sequence%20listing.txt
Output Set: N:\CRF4\04212005\I893878B.raw

Seq#:106; N Pos. 381,384,387,390,393,396,399,402
Seq#:107; N Pos. 6,9,12,15,18,21,24,27,30,33,36,39,42,45,48,51,54,60,63,66
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Seq#:107; N Pos. 120,123,126,129,132,135,138,141,144,147,150,153,156,159
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Seq#:107; N Pos. 204,207,210,213,216,219,222,228,231,234,237,240,243,246
Seq#:107; N Pos. 249,252,255,258,261,264,267,270,273,276,279,282,285,288

Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:183; Line(s) 6450,6475,6482

VERIFICATION SUMMARY

DATE: 04/21/2005

PATENT APPLICATION: US/09/893,878B

TIME: 12:10:19

Input Set : A:\D061770002US10sequence%20listing.txt

Output Set: N:\CRF4\04212005\I893878B.raw

L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
M:341 Repeated in SeqNo=5
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
M:341 Repeated in SeqNo=6
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
M:341 Repeated in SeqNo=27
L:912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
M:341 Repeated in SeqNo=28
L:951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
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L:995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
M:341 Repeated in SeqNo=30
L:1034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
M:341 Repeated in SeqNo=31
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L:1140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
M:341 Repeated in SeqNo=34
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M:341 Repeated in SeqNo=37
L:1296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
M:341 Repeated in SeqNo=38
L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
M:341 Repeated in SeqNo=39
L:1359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0

VERIFICATION SUMMARY

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Input Set : A:\D061770002US10sequence%20listing.txt

Output Set: N:\CRF4\04212005\I893878B.raw

L:1403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0

L:2568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0